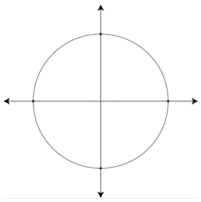
Unit Circle WS Day 1 Degrees v Radians Name: _____

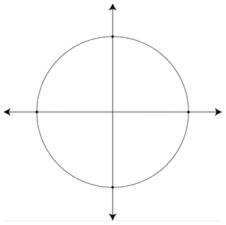
#1-4, Given an angle measured in degrees, determine the quadrant it lies in (i.e. the quadrant where its terminal side lies)

1. 100°
2. – 30°
3. 295°
4. 400°



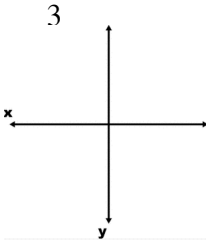
#5-10, Given an angle measured in radians, determine the quadrant it lies in (i.e. the quadrant where its terminal side ends)

5. $\frac{\pi}{5}$
6. $\frac{-\pi}{12}$
7. $\frac{7\pi}{4}$
8. $\frac{10\pi}{3}$
9. $\frac{4\pi}{5}$
10. $\frac{-15\pi}{4}$

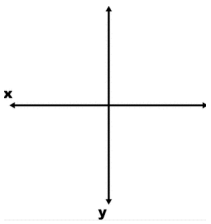


#11-15, Sketch (estimate) the angle in standard position. Check whether working in degrees or radians.

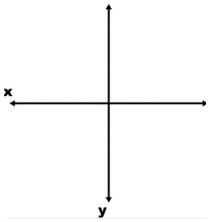
11. $\frac{2\pi}{3}$



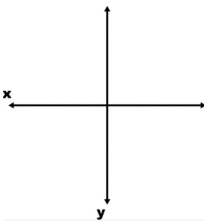
12. 250°



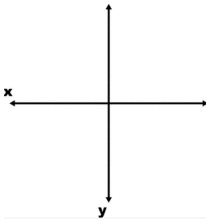
13. $\frac{-5\pi}{2}$



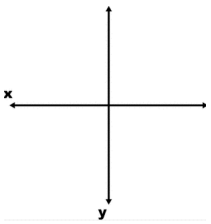
14. -120°



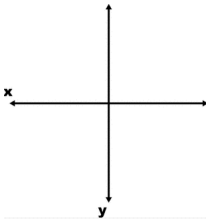
15. $\frac{-7\pi}{4}$



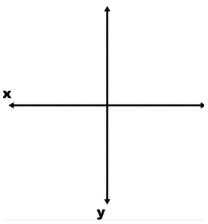
16. $\frac{-8\pi}{3}$



17. $\frac{3\pi}{5}$

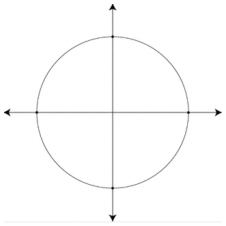


18. 7π



#19-21, Determine 2 *coterminal* angles (one positive, one negative), give your answers in degrees.

19. 45°
20. 350°
21. - 120°



#22-24, Determine 2 *coterminal* angles (one positive, one negative), give your answers in radians.

22. $\frac{2\pi}{3}$
23. $\frac{\pi}{6}$
24. $\frac{-5\pi}{2}$

25. Define *Unit Circle*: